

DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; I believe I am the original, first, and sole inventor (If only one name is listed below) or an original, first, and joint inventor (If plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **DATA TRANSMISSION IN PIPELINE SYSTEMS** the specification of which ☒ is attached and/or ☐ is filed on _____ as United States Application Serial No. _____ or PCT International Application No. _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate or § 365(a) of any PCT International application(s) designating at least one country other than the United States, listed below and have also identified below, any foreign application(s) for patent or inventor's certificate, or any PCT International application(s) having a filing date before that of the application(s) of which priority is claimed:

Country	Application Number	Date of Filing	Priority Claimed Under 35 U.S.C.
G. B.	9915968.3	7. 7. 1999	YES
G. B.	9924027.7	11. 10. 1999	YES
G. B.	0100107.7	03. 01. 2001	YES

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

Application Number	Date of Filing

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) or § 365(c) of any PCT International application(s) designating the United States, listed below and, insofar as this subject matter of each of the cited application is not disclosed in the prior United States or PCT International application(s) in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application(s) and the national or PCT International filing date of this application:

Application Number	Date of Filing	Status (Patented, Pending, Abandoned)
PCT/GB00/02538	30. 06. 2000	PENDING

I hereby appoint the following attorney and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith: FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., Douglas B. Henderson, Reg. No. 20,291; Ford F. Farabow, Jr., Reg. No. 20,630; Arthur S. Garrett, Reg. No. 20,338; Donald R. Dunner, Reg. No. 19,073; Brian G. Brunsold, Reg. No. 22,593; Tipton D. Jennings, IV, Reg. No. 20,445; Jerry D. Voight, Reg. No. 23,020; Laurence R. Hefter, Reg. No. 20,827; Kenneth E. Payne, Reg. No. 23,098; Herbert H. Mintz, Reg. No. 26,691; C. Larry O'Rourke, Reg. No. 26,014; Albert J. Santorelli, Reg. No. 22,610; Michael C. Elmer, Reg. No. 25,857; Richard H. Smith, Reg. No. 20,609; Stephen L. Peterson, Reg. No. 26,325; John M. Romary, Reg. No. 26,331; Bruce C. Zoster, Reg. No. 27,680; Dennis P. O'Reilly, Reg. No. 27,932; Allen M. Sotai, Reg. No. 26,695; Robert D. Bajdov, Reg. No. 25,587; Richard L. Suroop, Reg. No. 26,478; David W. Hill, Reg. No. 28,220; Thomas L. Irving, Reg. No. 28,619; Charles E. Lipsey, Reg. No. 28,165; Thomas W. Winland, Reg. No. 27,605; Basil J. Lewis, Reg. No. 28,818; Martin I. Fuchs, Reg. No. 28,508; E. Robert Yoches, Reg. No. 30,120; Barry W. Graham, Reg. No. 29,924; Susan Haberman Griffen, Reg. No. 30,907; Richard B. Racine, Reg. No. 30,415; Thomas H. Jenkins, Reg. No. 30,857; Robert E. Converse, Jr., Reg. No. 27,432; Clair X. Mullen, Jr., Reg. No. 20,348; Christopher P. Foley, Reg. No. 31,354; John C. Paul, Reg. No. 30,413; Roger D. Taylor, Reg. No. 28,992; David M. Kelly, Reg. No. 30,953; Kenneth J. Meyers, Reg. No. 25,146; Carol P. Einaudi, Reg. No. 32,220; Walter Y. Boyd, Jr., Reg. No. 31,738; Steven M. Amazeon, Reg. No. 32,095; Jean B. Fords, Reg. No. 32,984; Barbara C. McCurdy, Reg. No. 32,120; James K. Hammond, Reg. No. 31,964; Richard V. Burguljan, Reg. No. 31,744; J. Michael Jakes, Reg. No. 32,824; Thomas W. Banks, Reg. No. 32,719; Christopher P. Isaac, Reg. No. 32,616; Bryan C. Diner, Reg. No. 32,409; M. Paul Barker, Reg. No. 32,013; Andrew Chhano Sonu, Reg. No. 33,457; David S. Forman, Reg. No. 33,694; Vincent P. Kovalick, Reg. No. 32,867; James W. Edmondson, Reg. No. 33,871; Michael R. McGurk, Reg. No. 32,045; Joann M. Neuh, Reg. No. 36,363; Gerson S. Panich, Reg. No. 33,751; Cheri M. Taylor, Reg. No. 33,921; Charles E. Van Horn, Reg. No. 40,266; Linda A. Wadler, Reg. No. 33,218; Jeffrey A. Berkowitz, Reg. No. 36,743; Michael R. Kelly, Reg. No. 33,921; James B. Monroe, Reg. No. 33,971; Doris Johnson Hines, Reg. No. 34,629; Allen R. Jensen, Reg. No. 28,224; Lori Ann Johnson, Reg. No. 34,478; and David A. Manspeter, Reg. No. 37,940 and HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P., 13001 Sirex, N.W., Washington, D.C. 20005, Telephone No. (202) 408-4000.


I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of First Inventor STEVEN MARTIN HUDSON	Inventor's Signature <i>Steven M. Hudson</i>	Date 19th Dec. 2001
Residence FREKES COTTAGE, MOORSIDE, STURMINSTER NEWTON, DORSET DT10 1HQ, GREAT BRITAIN	Citizenship BRITISH	
Post Office Address FREKES COTTAGE, MOORSIDE, STURMINSTER NEWTON, DORSET DT10 1HQ, GREAT BRITAIN		

Listing of Inventors Continued on Page 2 hereof. ☒ Yes ☐ No

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER, L.L.P.

January 2000

Full Name of Second Inventor DANIEL JOINSON		Inventor's Signature 	Date 10.12.2001
Residence 12 FINCHDALE CLOSE, CARTERTON, OXON OX 18 3BT		Citizenship BRITISH	
Post Office Address GREAT BRITAIN			
Full Name of Third Inventor		Inventor's Signature	Date
Residence		Citizenship	
Post Office Address			
Full Name of Fourth Inventor		Inventor's Signature	Date
Residence		Citizenship	
Post Office Address			
Full Name of Fifth Inventor		Inventor's Signature	Date
Residence		Citizenship	
Post Office Address			
Full Name of Sixth Inventor		Inventor's Signature	Date
Residence		Citizenship	
Post Office Address			
Full Name of Seventh Inventor		Inventor's Signature	Date
Residence		Citizenship	
Post Office Address			
Full Name of Eighth Inventor		Inventor's Signature	Date
Residence		Citizenship	
Post Office Address			
Full Name of Ninth Inventor		Inventor's Signature	Date
Residence		Citizenship	
Post Office Address			